



# Anti-MARS monoclonal antibody, clone FQS0984(C) (DCABH-3339)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to Methionyl tRNA synthetase
<b>Antigen Description</b>	This gene encodes a member of the class I family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. The encoded protein is a component of the multi-tRNA synthetase complex and catalyzes the ligation of methionine to tRNA molecules.
<b>Immunogen</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	FQS0984(C)
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Flow Cyt, ICC/IF, WB
<b>Positive Control</b>	HepG2, HeLa, SW480 and Caco-2 cell lysates; HepG2 cells.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 0.05% BSA
<b>Preservative</b>	0.01% Sodium Azide

<b>Storage</b>	Store at -20°C.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MARS methionyl-tRNA synthetase [ Homo sapiens ]</a>
<b>Official Symbol</b>	MARS
<b>Synonyms</b>	MARS; methionyl-tRNA synthetase; methionine--tRNA ligase, cytoplasmic; methionine tRNA ligase 1; cytoplasmic; MetRS; cytosolic methionyl-tRNA synthetase; methionine tRNA ligase 1, cytoplasmic; MRS; METRS; MTRNS; FLJ35667;
<b>Entrez Gene ID</b>	<a href="#">4141</a>
<b>Protein Refseq</b>	<a href="#">NP_004981</a>
<b>UniProt ID</b>	<a href="#">P56192</a>
<b>Chromosome Location</b>	12q13
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem;
<b>Function</b>	ATP binding; ligase activity; methionine-tRNA ligase activity; nucleotide binding; tRNA binding;